

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A program reproducing method of reproducing an existing program, which has been created by a method other than ~~a the Lyee~~ LYEE development method, as a new program having a structure in accordance with the ~~[[Lyee]]~~ LYEE development method while maintaining functions ~~of accomplished by~~ said existing program, comprising steps of:

extracting a word, ~~which is being used in said existing program,~~ from said existing program;

identifying in a form in which a definitive to which ~~[[this]]~~ the word is related ~~is~~ identified;

assigning the extracted word to at least one or a plurality of a W04 pallet relating to output processing, a W02 pallet relating to input processing and W03 pallet relating to data generation processing pallets depending on ~~in dependence upon~~ the type of definitive to which the word is related; and

converting each statement ~~or command~~ of ~~[[the]]~~ said existing program to ~~a form in accordance with~~ at least one program component ~~[[any]]~~ of a plurality of program components having a structure in compliance with the ~~[[Lyee]]~~ LYEE development method in at least one or a plurality of said W04, W02, and W03 pallets to which words contained in the statements ~~or commands~~ have been assigned.

Claim 2 (Currently Amended): ~~[[A]]~~ The program reproducing method according to claim 1, wherein said converting converts a statement ~~or a command, from among statements or commands of an~~ of said existing program, ~~that is~~ for generating data to be stored in a field

represented by a word is converted to a form in accordance with a program component for data generation from among said plurality of program components.

Claim 3 (Currently Amended): ~~[[A]] The program reproducing method according to claim 1, further comprising the following steps with regard to a statement or command that includes two or more words among statements or words of an existing program:~~

~~ascertaining determining whether a relationship between at least two or more pallets when to which respective ones of at least two or more words being used in a [[the]] statement of said existing program are respectively assigned to said at least two pallets or command is a relationship that satisfies a predetermined sequence;~~

~~determining that the relationship does not satisfy a predetermined sequence;~~

~~in a case where the relationship between two or more pallets does not satisfy the a predetermined sequence;~~

~~decomposing the statement or command into a plurality of statements; or commands and~~

~~incorporating a new word in each statement or command obtained by the decomposing; decomposition; and~~

~~assigning new words to at least one or a plurality of said at least two pallets configured to in such a manner that the relationship between two or more pallets, to which two or more words included in each of the statements or commands obtained by decomposition are assigned, will satisfy the predetermined sequence.~~

Claim 4 (Currently Amended): ~~[[A]] The program reproducing method according to claim 1, wherein an extracted word is at least one of a self word [[or]] and given word.~~

Claim 5 (Currently Amended): ~~[[A]]~~ The program reproducing method according to claim 1, further comprising: ~~a step of~~

~~adopting a statement or command, which executes~~ configured to execute physical input/output processing with regard to a definitive~~[[,]]~~ ~~from among statements or commands of an~~ said existing program as part of a program component configured to, ~~which is for performing overall control [[of]] said pallets, from among said plurality of program components.~~

Claim 6 (Currently Amended): ~~[[A]]~~ The program reproducing method according to claim 1, wherein said assigning the extracted word to at least one of said pallets comprises: ~~said pallet is any of a W04 pallet relating to output processing, a W02 pallet relating to input processing and a W03 pallet relating to data generation processing, further comprising steps of:~~

assigning ~~[[if]]~~ an extracted word ~~[[is]]~~ related to a definitive used in input processing; ~~assigning this word~~ to at least the W02 pallet; and

assigning ~~[[if]]~~ an extracted word ~~[[is]]~~ related to a definitive used in output processing; ~~assigning this word~~ to at least the W04 pallet.

Claim 7 (Currently Amended): ~~[[A]]~~ The program reproducing method according to claim 6 further comprising:

providing, wherein a set consisting of a W04 pallet, W02 pallet and W03 pallet is ~~provided in accordance with~~ according to the at least one type of definitive ~~to which a and corresponding word being used in [[an]] said existing program is related.~~

Claim 8 (Currently Amended): ~~[[A]]~~ The program reproducing method according to claim 6 further comprising:

~~providing, wherein if a word being used in said existing program is a word not related to a definitive,~~ a set consisting of a W04 pallet, W02 pallet and W03 pallet for a word used in said existing program that is not related to a definitive. ~~assigning this word is provided separately.~~

Claim 9 (Currently Amended): ~~[[A]]~~ The program reproducing method according to claim 6 further comprising:

~~providing, wherein if a description of error processing is included in said existing program,~~ a set consisting of a W04 pallet, W02 pallet and W03 pallet for handling this error processing if a description of error processing is included in said existing program. ~~is provided separately.~~

Claim 10 (Currently Amended): A program reproducing method for ~~[[of]]~~ reproducing an existing program, which has been created by a method other than a ~~the~~ Lyee LYEE development method, as a new program having a structure in accordance with the ~~[[Lyee]]~~ LYEE development method while maintaining functions ~~accomplished by~~ of said existing program, comprising steps of:

extracting at least one ~~[[a]]~~ definitive, which is controlled by an existing program, from the existing program;

~~preparing, with regard to the extracted definitive,~~ a plurality of program components for operating a base structure consisting of a set of W02, W04 and W03 pallets based on the at least one extracted definitive;

extracting at least one word ~~words, which are being~~ used in said existing program[[,]]
from said existing program;

~~identifying in a form in which~~ the at least one definitive corresponding to the at least
one word ~~to which the words belong~~ and input/output categories of the at least one word
~~words are identified;~~

assigning the at least one word ~~words~~ to at least one pallet of ~~or a plurality of the~~
~~pallets among the W02, W04 and W03 pallets, with regard to the definitive to which the~~
~~words belong, in dependence upon~~ depending on the at least one definitive corresponding to
the at least one extracted word ~~to which the extracted words belong~~ and the input/output
categories of the at least one word ~~words~~; and

converting a statement ~~or command that contains a~~ containing at least one word of the
existing program to at least one program component ~~a form in accordance with any of a~~
plurality of program components having a structure in compliance with the [[Lye]] LYEE
development method in [[a]] at least one pallet related to the statement ~~or command~~ through
the word.

Claim 11 (Currently Amended): [[A]] The program reproducing method according to
claim 10, wherein assigning the at least one word to at least one pallet comprises: ~~further~~
~~comprising steps of:~~

assigning [[if]] an extracted word related ~~belongs~~ to a definitive used in input
processing, ~~assigning this word~~ to at least the W02 pallet; and

assigning [[if]] an extracted word [[is]] related to a definitive used in output
processing, ~~assigning this word~~ to at least the W04 pallet.

Claim 12 (Currently Amended): [[A]] The program reproducing method according to claim 10 further comprising:

preparing separately, wherein if an extracted word is a word that does not belong to any extracted definitive, a plurality of program components configured to which operate a base structure configured to assign for assigning an extracted this word if the word does not belong to at least one extracted definitive. are prepared separately.

Claim 13 (Currently Amended): [[A]] The program reproducing method according to claim 10 further comprising:

preparing separately, wherein if a description of error processing is included in said existing program, a plurality of program components configured to which operate a base structure for handling this configured to handle error processing if a description of error processing is included in said existing program. are prepared separately.

Claim 14 (Currently Amended): [[A]] The program reproducing method according to claim 10 further comprising:

converting, wherein a statement or a command, from among statements or commands of an existing program configured to generate, that is for generating data to be stored in a field represented by a word is converted to a form in accordance with a program component for data generation, from among said plurality of program components.

Claim 15 (Currently Amended): [[A]] The program reproducing method according to claim 10, further comprising the following steps with regard to a statement or command that includes two or more words among statements or words of an existing program:

~~ascertaining whether a relationship between at least two or more pallets when to which respective ones of at least two or more words being used in a [[the]] statement of the existing program are respectively assigned to said at least two pallets or command is a relationship that satisfies a predetermined sequence;~~

~~determining the relationship does not satisfy a predetermined sequence;~~

~~in a case where the relationship between two or more pallets does not satisfy the predetermined sequence;~~

~~decomposing the statement or command into a plurality of statements; or command and~~

~~incorporating a new word in each statement or command obtained by decomposition the decomposing; and~~

~~assigning at least one new word configured to satisfy the predetermined sequence words to at least one or a plurality of said two pallets among the W04, W02 and W03 pallets in such a manner that the relationship between two or more pallets, to which two or more words included in each of the statements or commands obtained by decomposition have been assigned, will satisfy the predetermined sequence.~~

Claim 16 (Currently Amended): [[A]] The program reproducing method according to claim 10, further comprising: ~~a step of~~

~~adopting a statement configured to execute or command, which executes physical input/output processing based on with regard to a definitive[[,]] from among statements or commands of an the existing program as part of a program component configured to, which is for performing overall control [[of]] said pallets, from among said plurality of program components.~~

Claim 17 (Currently Amended): ~~[[A]]~~ The program reproducing method according to claim 10, further comprising: ~~a step of~~

creating a process route diagram representing, ~~which represents~~ the flow of processing of said existing program, from said existing program, using at least ~~[[by]]~~ one base structure ~~or by a combination of a plurality of base structures.~~

Claim 18 (Currently Amended): ~~[[A]]~~ The program reproducing method according to claim 17, further comprising ~~steps of:~~

~~if a route connected to two or more different base structures or a route connected to quit processing is expressed in said process route diagram,~~

extracting, from said existing program, a conditional statement ~~or conditional command~~ representing a branch condition at a branch point of ~~[[the]]~~ a route if at least one of the route is connected to at least two different base structures and the route connected to quit processing is expressed in said process route diagram; and

converting the extracted conditional statement ~~or conditional command~~ to a form in compliance with a program component, ~~which is for route determination included in, from among a plurality of program components of a pallet from which said branch point originates.~~

Claim 19 (Currently Amended): ~~[[A]]~~ The program reproducing method according to claim 10, further comprising ~~steps of:~~

searching for a conditional statement ~~or conditional command~~ representing at least one of a data input condition and ~~[[or]]~~ a data output condition based on a ~~upon the~~ description of an existing program; and

~~if a conditional statement or conditional command representing a data input condition or a data output condition has been extracted,~~

extracting a conditional statement found by the searching; and

converting the extracted conditional statement ~~or conditional command~~ to a form that is in accordance with a program component for at least one of an input ~~[[or]]~~ and output operation from ~~among~~ a plurality of program components in a pallet ~~in which~~ corresponding to the at least one of the data input condition and ~~[[or]]~~ data output condition ~~aets~~.

Claim 20 (Currently Amended): ~~[[A]]~~ The program reproducing method according to claim 10, further comprising ~~steps of~~:

searching for a conditional statement ~~or conditional command~~ representing a decision condition of an equivalent word based on a ~~upon the~~ description of ~~[[an]]~~ the existing program; ~~and~~

~~if a conditional statement or conditional command representing a decision condition of an equivalent word has been extracted;~~

extracting a conditional statement found by the searching; and

converting the extracted conditional statement ~~or conditional command~~ to a form that is in accordance with a program component of the ~~from among~~ a plurality of program components in a pallet to which the equivalent word has been assigned.

Claim 21 (Currently Amended): A program reproducing apparatus comprising:

first storage means for storing a plurality of program components which construct a ~~[[Lyee]]~~ LYEE program;

second storage means for storing tense control function information, base structure information, pallet information, definitive information, route information and command information obtained from a process route diagram created based upon an existing program;

third storage means for storing ~~[[an]]~~ the existing program ~~applied thereto~~;

first assignment means for assigning a word, ~~which is being~~ used in the existing program ~~that has been~~ stored in the third storage means, to at least one or a plurality of pallets among a said W04 pallet, W02 pallet and W03 pallets pallet, which are included in a base structure related to which the a word is related, based upon the tense control function information, base structure information, pallet information and definitive information ~~that has been~~ stored in said second storage means; and

conversion means ~~which, on the basis of the route information and command information that has been stored in said second storage means, is for converting, based on the route information and command information stored in said second storage means, each statement or command of the existing program that has been stored in the third storage means to at least one program component a form in accordance with any of the plurality of program components, which have been stored in said first storage means~~[[,]] in the at least one or plurality of said W04, W02 and W03 pallets to which ~~[[a]] the word included in the statement or command~~ has been assigned.

Claim 22 (Currently Amended): [[A]] The program reproducing apparatus according to claim 21, further comprising:

~~statement or command~~ read-in means for reading in a statement ~~or command~~ of [[an]] the existing program.

Claim 23 (Currently Amended): [[A]] The program reproducing apparatus according to claim 22, wherein ~~if a word being used in a statement or command read in by said read in means is related to a definitive used in input processing~~, said first assignment means comprises:

means for assigning assigns this a word to at least the W02 pallet if the word used in a statement read in by said read in means is related to a definitive used in input processing; and if a word being used in a statement or command that has been read in is related to a definitive used in output processing, said first assignment means

means for assigning assigns this a word to at least the W04 pallet if the word used in a statement read in is related to a definitive used in output processing.

Claim 24 (Currently Amended): [[A]] The program reproducing apparatus according to claim 22, further comprising:

determination means for ascertaining determining of the statement or command that has been read in by said read in means, with regard to a statement or command including two or more words, whether a relationship between at least two or more pallets when to which respective ones of at least two or more words being used in the statement read in by said read in means are respectively assigned to said at least two pallets or command is a relationship that satisfies a predetermined sequence;

determining means for determining that the relationship does not satisfy a predetermined sequence;

means, responsive to a determination by said determination means that the relationship between two or more pallets does not satisfy the predetermined sequence, for decomposing the statement or command into a plurality of statements; or commands and

means for incorporating at least one [[a]] new word in each statement or command obtained by decomposition means for decomposing; and

second assignment means for assigning at least one new word configured to satisfy the predetermined sequence words to at least one or a plurality of said at least two pallets in such a manner that the relationship between two or more pallets, to which two or more words

~~included in each of the statements or commands obtained by decomposition are assigned, will satisfy the predetermined sequence.~~

Claim 25 (Currently Amended): ~~[[A]]~~ The program reproducing apparatus according to claim 22, further comprising:

self-word/given-word identifying means for identifying ~~whether~~ a word ~~being~~ used in a statement ~~or command that has been~~ read in by said read-in means is ~~[[a]]~~ at least one of a self word ~~[[or]]~~ and a given word.

Claim 26 (Currently Amended): ~~[[A]]~~ The program reproducing apparatus according to claim 21, wherein ~~a program component for data generation has been stored in said first storage means; and~~

said conversion means converts a statement configured to generate data ~~or a command, from among statements or commands of an existing program, that is for generating data to be stored in a field represented by a word in the existing program to a form in accordance with said program component for data generation from among said plurality of program components when a program component for data generation is stored in said first storage means.~~

Claim 27 (Currently Amended): ~~[[A]]~~ The program reproducing apparatus according to claim 21, wherein ~~a program component, which is for performing overall control of a set of W04, W02 and W03 pallets, has been stored in said first storage means; and~~

said conversion means adopts a statement configured to execute ~~or command, which executes input/output processing with regard to a screen[[,]] from among statements or commands of an~~ the existing program as part of a program component configured to, which is

~~for performing overall control~~ [[of]] said W04, W02 and W03 pallets, ~~from among said plurality of program components~~ when a program component for controlling a set of W04, W02 and W03 pallets has been stored in said first storage means.

Claim 28 (Currently Amended): [[A]] The program reproducing apparatus according to claim 21, ~~wherein a program component for route determination has been stored in said first storage means, said apparatus further comprising:~~

route-branch-condition-command extraction means for extracting, from said existing conventional program based on the basis of route information ~~that has been~~ stored in said second storage means, a conditional statement ~~or conditional command~~ representing a branch condition of [[the]] a route when a program component for route determination is stored in said first storage means; and

said conversion means ~~converting~~ converts the extracted conditional statement ~~or conditional command~~ to a form in compliance with a program component, ~~which is for route determination, from among a plurality of program components of a pallet from which branching of said route originates.~~

Claim 29 (Currently Amended): [[A]] The program reproducing apparatus according to claim 21, further comprising: ~~wherein program components for an input operation and for an output operation have been stored in said first storage means;~~

~~said apparatus further comprises~~

data-input/output-condition-command searching means for searching for a conditional statement ~~or conditional command~~ representing at least one of a data input condition and [[or]] a data output condition based on a ~~upon the~~ description of [[an]] the existing program

when program components for at least one of an input operation and an output operation are stored in said first storage means; and

~~in a case where a conditional statement or conditional command representing a data input condition or a data output condition has been extracted,~~

extraction means for extracting a conditional statement found by said data-input/output-condition-command searching means; and

said conversion means converts ~~[[the]]~~ an extracted conditional statement or conditional command to a form that is in accordance with said program component for at least one of an input ~~[[or]]~~ and output operation included in ~~from among~~ a plurality of program components in a pallet corresponding to ~~in which~~ the at least one of the data input condition ~~[[or]]~~ and data output condition-acts.

Claim 30 (Currently Amended): ~~[[A]]~~ The program reproducing apparatus according to claim 21, further comprising: ~~wherein a program component for data generation has been stored in said first storage means;~~

~~said apparatus further comprises~~

equivalent-word-decision-condition-command searching means for searching for a conditional statement ~~or conditional command~~ representing a decision condition of an equivalent word based on a ~~upon the~~ description of ~~[[an]]~~ the existing program when a program component for data generation is stored in said first storage means; and

~~in a case where a conditional statement or conditional command representing a decision condition of an equivalent word has been extracted,~~

means for extracting a conditional statement found by said equivalent-word-decision-condition-command searching means; and

said conversion means converts ~~the~~ this conditional statement ~~or conditional~~
~~command to a form that is in accordance with~~ a program component ~~from among a plurality~~
~~of program components in a pallet to which the equivalent word has been assigned.~~

Claim 31 (Currently Amended): A recording medium for recording ~~on which has~~
~~been recorded~~ an assignment program for controlling a program reproducing apparatus for
reproducing an existing program, which has been created by a method other than ~~the Lyee a~~
LYEE development method, as a new program having a pallet structure in accordance with
the ~~[[Lyee]]~~ LYEE development method while maintaining functions of ~~accomplished by~~
said existing program, said assignment program comprising:

discriminating a ~~type of~~ definitive for, ~~to which~~ a word ~~being~~ used ~~[[by]]~~ in a
statement ~~or command~~ of said existing program ~~belongs~~, based on ~~upon~~ tense control
function information, base structure information, pallet information and definitive
information obtained from said existing program;

discriminating a ~~type of~~ at least one pallet for, ~~to which~~ said word ~~[[is]]~~ to be
assigned, based on ~~upon~~ a read statement ~~or command~~ regarding said word ~~for which the type~~
~~of definitive to which the word belongs has been discriminated~~; and

controlling said program reproducing apparatus ~~in such a manner that said word is~~
~~assigned to~~ assign at least one ~~or a plurality of pallets in dependence upon~~ pallet depending
on the type of definitive and the at least one type of pallet discriminated.

Claim 32 (Currently Amended): ~~[[A]]~~ The recording medium according to claim 31,
further comprising: ~~said medium having recorded thereon an assignment program for:~~

~~determining discriminating whether~~ a word ~~being~~ used in said statement ~~or command~~
is at least one of a self word ~~[[or]]~~ and a given word based ~~upon the type of~~ on the statement
~~or command~~ in which said word is ~~being~~ used; and

~~in a case where the word being used in a statement or command is determined as~~
~~being a self word or given word,~~

~~controlling said program reproducing apparatus in such a manner that the word being~~
~~used in said statement or command is furnished with~~

furnishing an identifier configured to indicate ~~indicating that~~ the word is at least one
of a self word ~~or indicating that the word is~~ and a given word.

Claim 33 (Currently Amended): A recording medium for recording ~~on which has~~
~~been recorded~~ a conversion program for controlling a program reproducing apparatus
including having a storage unit storing a plurality of program components constructing a
[[Lyee]] LYEE program, said program reproducing apparatus reproducing an existing
program, which has been created by a method other than ~~the Lyee~~ a LYEE development
method, as a new program having a pallet structure in accordance with the [[Lyee]] LYEE
development method while maintaining functions of ~~accomplished by~~ said existing program;

said existing program furnishes ~~being such that~~ information relating to at least one of
[[or]] a plurality of pallets to which a word is to be assigned ~~is furnished with regard to a the~~
word ~~being~~ used in a statement ~~or command~~ of said existing program;

said conversion program controlling the program reproducing apparatus converts in
~~such a manner that~~ a statement ~~or command~~ of said existing program ~~is converted to a form~~
~~in accordance with any of~~ at least one program component of a plurality of program
components in a pallet specified by information relating to an assigned pallet appended to
[[a]] the word included in the statement ~~or command~~.

Claim 34 (Currently Amended): ~~[[A]]~~ The recording medium according to claim 33, wherein ~~a program component for data generation is included in said plurality of program components; and~~

said conversion program converts a statement ~~or command~~ for generating data ~~to be~~ stored in a field represented by a word ~~to a form in accordance with~~ a program component for data generation ~~among said plurality of program components.~~

Claim 35 (Currently Amended): ~~[[A]]~~ The recording medium according to claim 33, wherein ~~said plurality of program components include a program component for performing overall control of a set of a plurality of pallets; and~~

said conversion program adopts a statement configured to execute ~~or command~~, ~~which executes~~ input/output processing with regard to a screen from the existing program~~[[,]]~~ as part of a program component configured to, ~~which is for performing overall control~~ ~~[[of]]~~ a set of a plurality of pallets, ~~from among said plurality of program components.~~

Claim 36 (Currently Amended): ~~[[A]]~~ The recording medium according to claim 33, wherein said plurality of program components include a program component for a route decision; and said conversion program further comprises:

extracting ~~extracts~~ a conditional statement representing ~~or conditional command~~, ~~which represents~~ a branch condition of ~~[[the]]~~ a route~~[[,]]~~ from said existing program ~~on the basis of~~ based on route information obtained from said existing program; and

converting ~~converts~~ the extracted conditional statement ~~or conditional command~~ to a ~~form in compliance with a program component, which is for route determination~~ included in,

~~from among~~ a plurality of program components of a pallet from which branching of said route originates.

Claim 37 (Currently Amended): ~~[[A]]~~ The recording medium according to claim 33, wherein

said plurality of program components include program components for an input operation and for an output operation; and

said conversion program further comprises:

searching ~~searches~~ the existing program for a conditional statement ~~or conditional command~~ representing at least one of a data input condition ~~[[or]]~~ and a data output condition; ~~and~~

~~if a conditional statement or conditional command representing a data input condition or a data output condition has been extracted, converts~~

extracting a conditional statement found by the searching; and

converting the extracted conditional statement ~~or conditional command~~ to a form that ~~is in accordance with said~~ program component for at least one of an input ~~[[or]]~~ and output operation included in ~~from among~~ a plurality of program components in a pallet in which the at least one the data input condition ~~[[or]]~~ and data output condition acts.

Claim 38 (Currently Amended): ~~[[A]]~~ The recording medium according to claim 33, wherein

said plurality of program components include a program component for data generation; and

said conversion program further comprises:

searching ~~searches~~ the existing program for a conditional statement ~~or conditional~~
~~command~~ representing a decision condition of an equivalent word; and

~~if a conditional statement or conditional command representing a decision condition~~
~~of an equivalent word has been extracted,~~

converting the ~~converts this~~ conditional statement ~~or conditional command~~ to a form
that is in accordance with a program component included in ~~from among~~ a plurality of
program components in a pallet to which the equivalent word is ~~has been~~ assigned.

Claim 39 (Currently Amended): A program reproducing apparatus for reproducing an
existing program, which has been created by a method other than the [[Lyee]] LYEE
development method, as a new program having a structure in accordance with the [[Lyee]]
LYEE development method while maintaining functions of ~~accomplished by~~ said existing
program, comprising:

storage means for storing a plurality of program components which construct a
[[Lyee]] LYEE program;

input means for inputting [[an]] the existing program;

definitive extraction means for extracting [[a]] at least one definitive from the existing
program that has been input;

word/definitive relationship extraction means for extracting a relationship between
[[a]] at least one word and [[a]] at least one definitive from the existing program that has been
input;

input/output category extraction means for extracting an input/output category of a
word ~~that has been~~ extracted by said word extraction means for the existing program that has
been input;

assignment means for assigning a word ~~that has been~~ extracted by said word extraction means to at least one pallet of one or a plurality of pallets to which the word is related based upon the relationship between the word and definitive extracted by said word/definitive relationship extraction means and the word input/output category extracted by said input/output category extraction means; and

conversion means for converting each statement ~~or command~~ of the existing program to ~~a form in accordance with any~~ at least one program component of a plurality of program components, ~~which have been~~ stored in said storage means ~~[[,]]~~ in at least one pallet of ~~[[or]]~~ a plurality of pallets to which words contained in the statements or commands have been assigned.